Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/10/2020 10:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124876	-1	2.96	125006	2.99
Blue	F	SSC	125000	123630	-2	2.62	124381	2.49
Blue	E	FITC	15892	15304	-4	3.09	332	20.73
Blue	D	PE	29999	29102	-3	2.25	632	15.22
Blue	B	PerCP-Cy5-5	43732	43147	-2	3.91	1159	21.28
Blue	A	PE-Cy7	30845	30863	0	6.43	588	42.31
Red	C	APC	46112	44313	-4	2.59	1561	12.38
Red	A	APC-Cy7	30458	29556	-3	2.49	782	11.80
Violet	B	V450	7918	7471	-6	4.10	428	12.58
Violet	A	V500	32171	31086	-4	3.86	728	10.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17036	15.56	639	18	N/A	N/A	Pass
Blue	F	SSC	57361	1.26	577	18	N/A	N/A	Pass
Blue	E	FITC	60	65.51	551	8	0.0186	116	Pass
Blue	D	PE	134	51.50	557	9	0.1588	296	Pass
Blue	B	PerCP-Cy5-5	211	52.39	665	9	0.0083	58	Pass
Blue	A	PE-Cy7	108	107.83	711	13	0.0103	24	Pass
Red	C	APC	377	24.94	585	1	0.0229	73	Pass
Red	A	APC-Cy7	173	29.05	557	1	0.0059	1402	Pass
Violet	B	V450	64	57.53	463	5	0.0539	1908	Pass
Violet	A	V500	108	31.49	479	5	0.0239	510	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.87	-32.55	0.96
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.51	13.60 - 20.40	N/A	N/A	29.94	30.35	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 10158

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments